FPL II

供电用途最大支持搭载AWG#32电子线,支持eDP HBR2 (5.4Gbps/lane),多点接地抗噪设计,垂直插拔方式,0.5mm 间距, 极细同轴线连接器

Product Specifications:				
Mating type		Right angle vertical		
Board Pitch (mm)		0.5		
Wiping Length (mm)		0.51		
Mated size (mm)	Height	2.2 +/- 0.2		
	Width	Formula: 5.8 + (0.5*?p)		
	Depth	6.1		
Pin Counts	Range	Up to 50		
	Available	30, 40, 50		

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*如您需要了解未列出或不在范围内的Pin数	,请咨询找们。

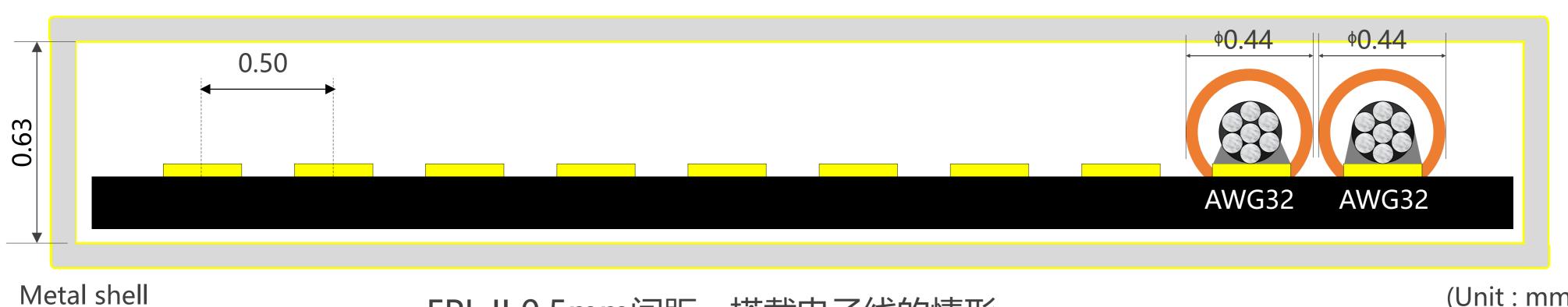
Applicable Cable Size:		
Maximum O.D. (mm)	0.5	
Micro-Coaxial	45 ohm: #36 or smaller	
for Signal (AWG)	50 ohm: #38 or smaller	
Twinax (AWG)	#40	
Discrete (AWG)	#32 or smaller	

Applicable Standards (Reference Only):

eDP HBR 2 (5.4 Gbps), USB 3.1 Gen 1 (5 Gbps)



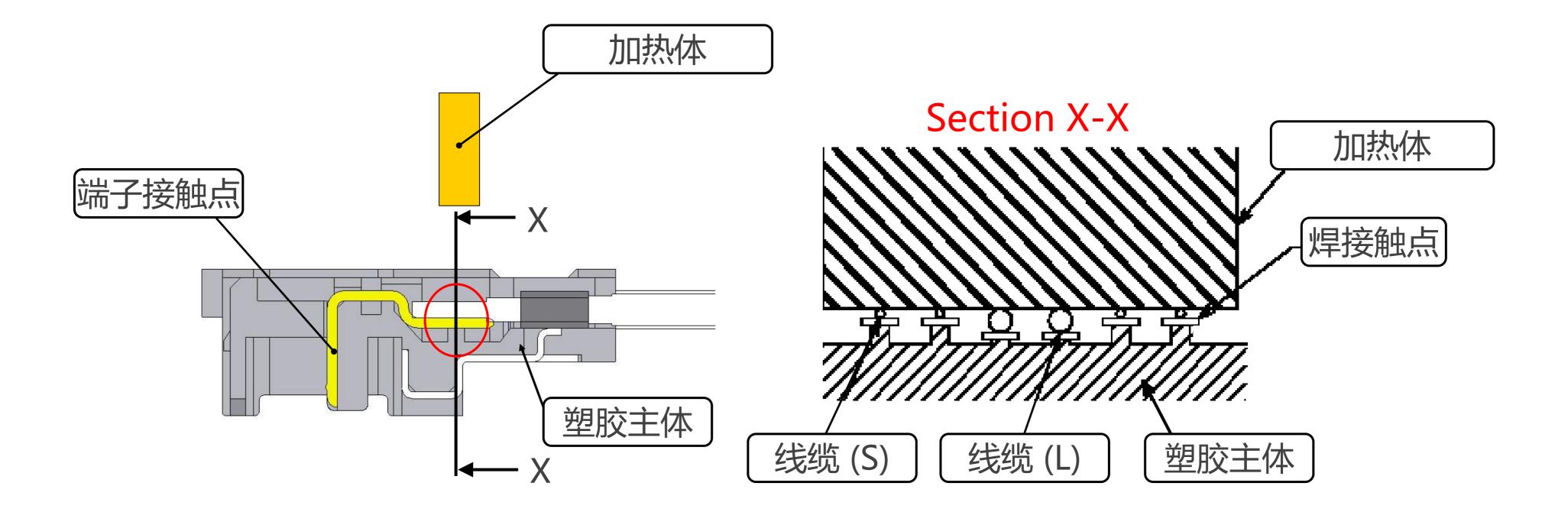
一供电用途最大支持搭载AWG#32电子线



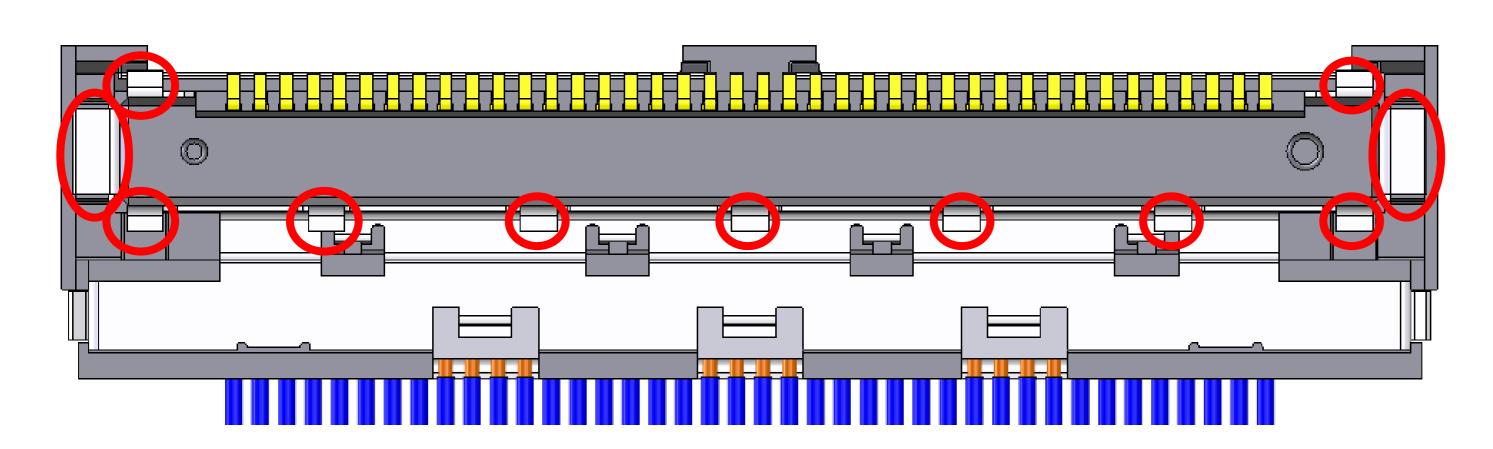
FPL II 0.5mm间距,搭載电子线的情形

(Unit: mm)

可同时焊接不同尺寸的极细同轴线和电子线



多点接地设计,有效屏蔽电磁波干扰



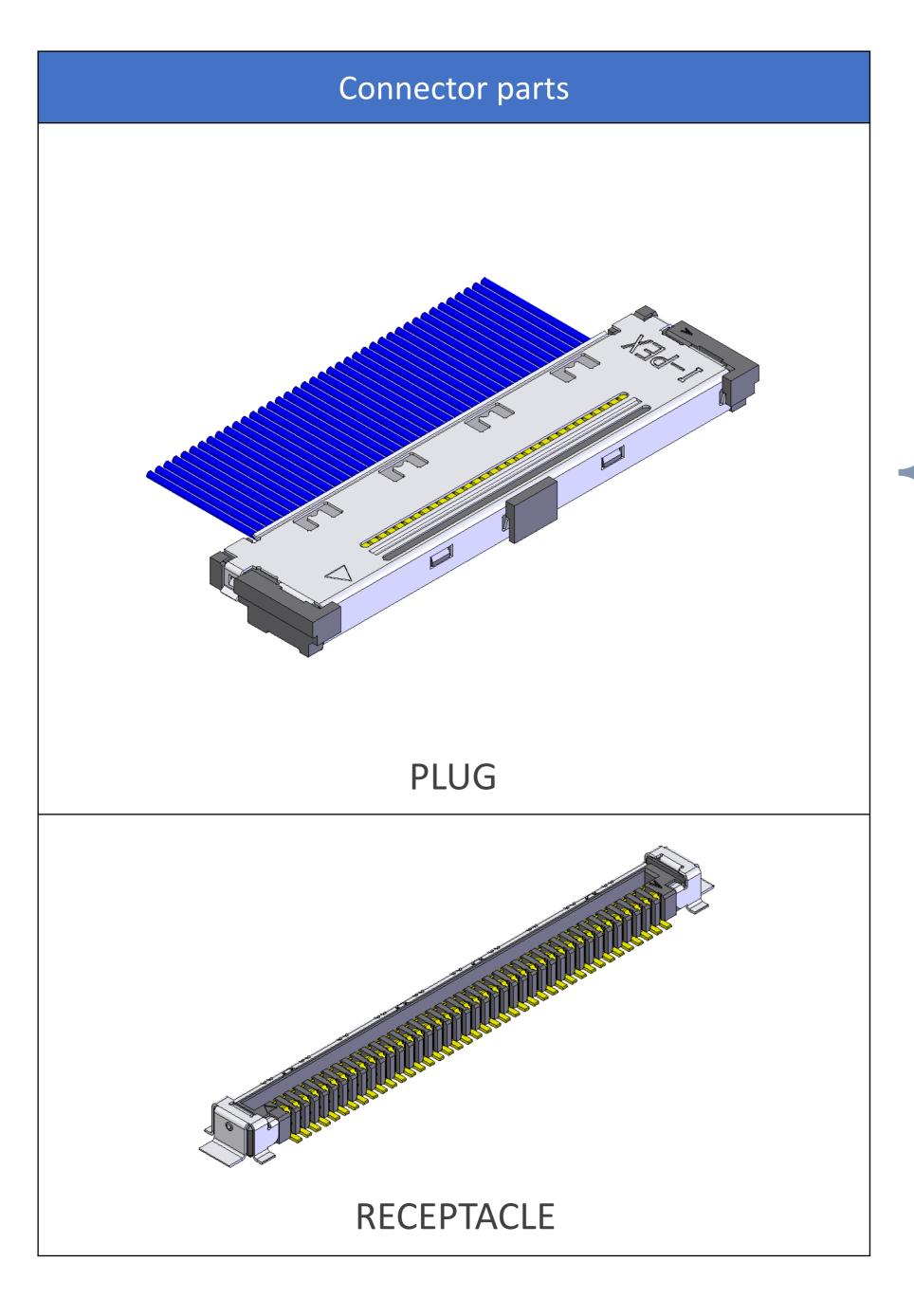
FPL II 30P 底部视图

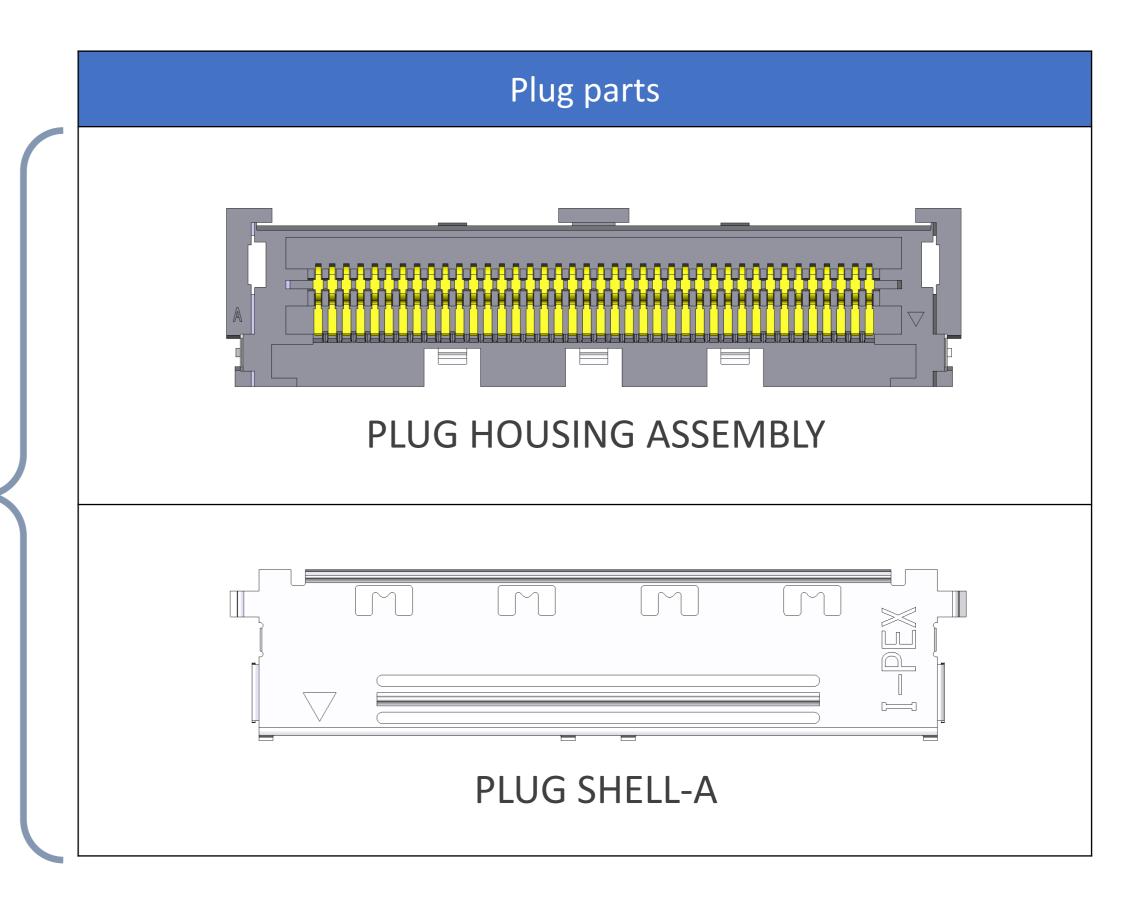




Component Parts Details

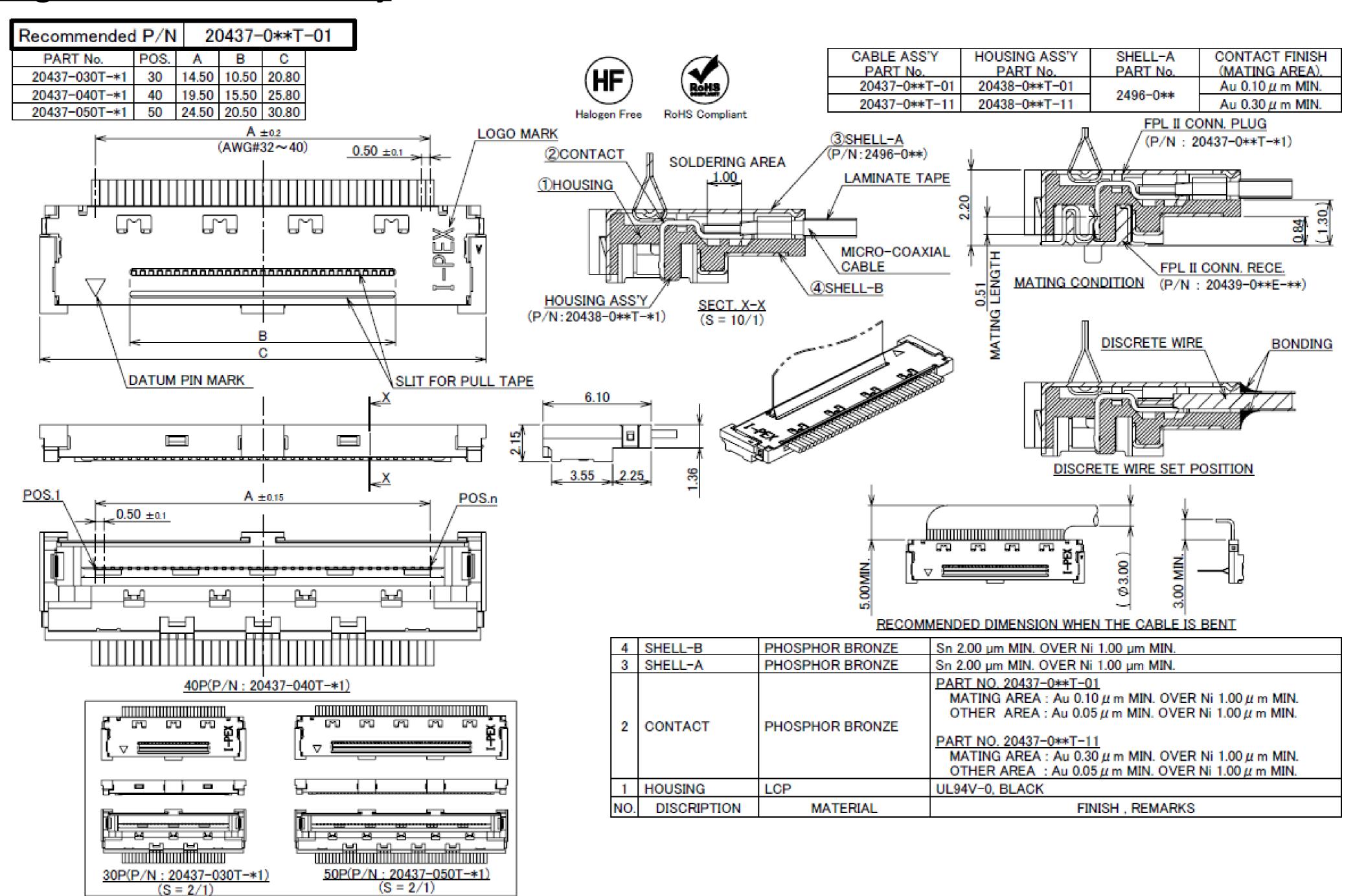
Component Parts



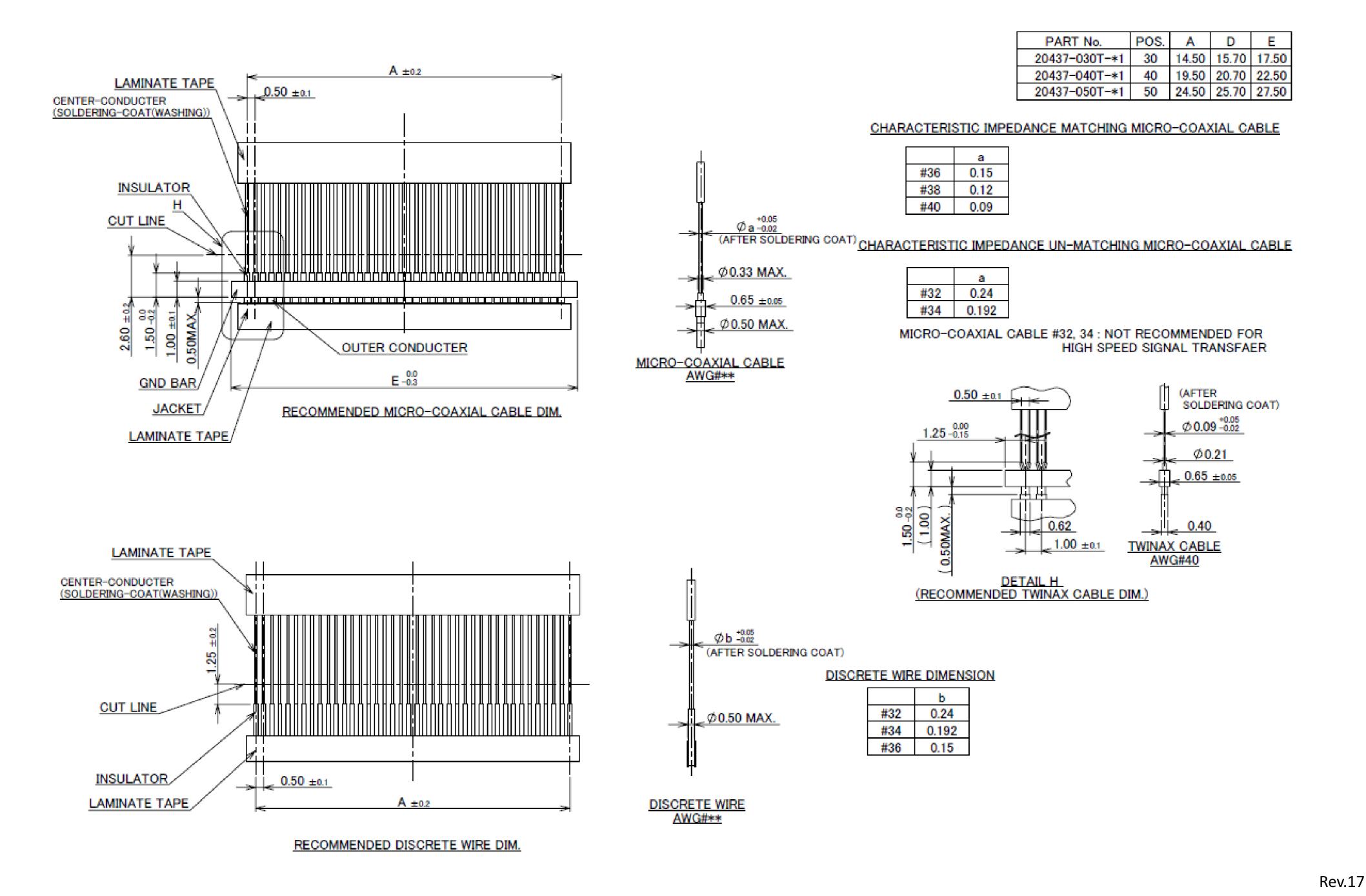




Plug for Cable Assembly

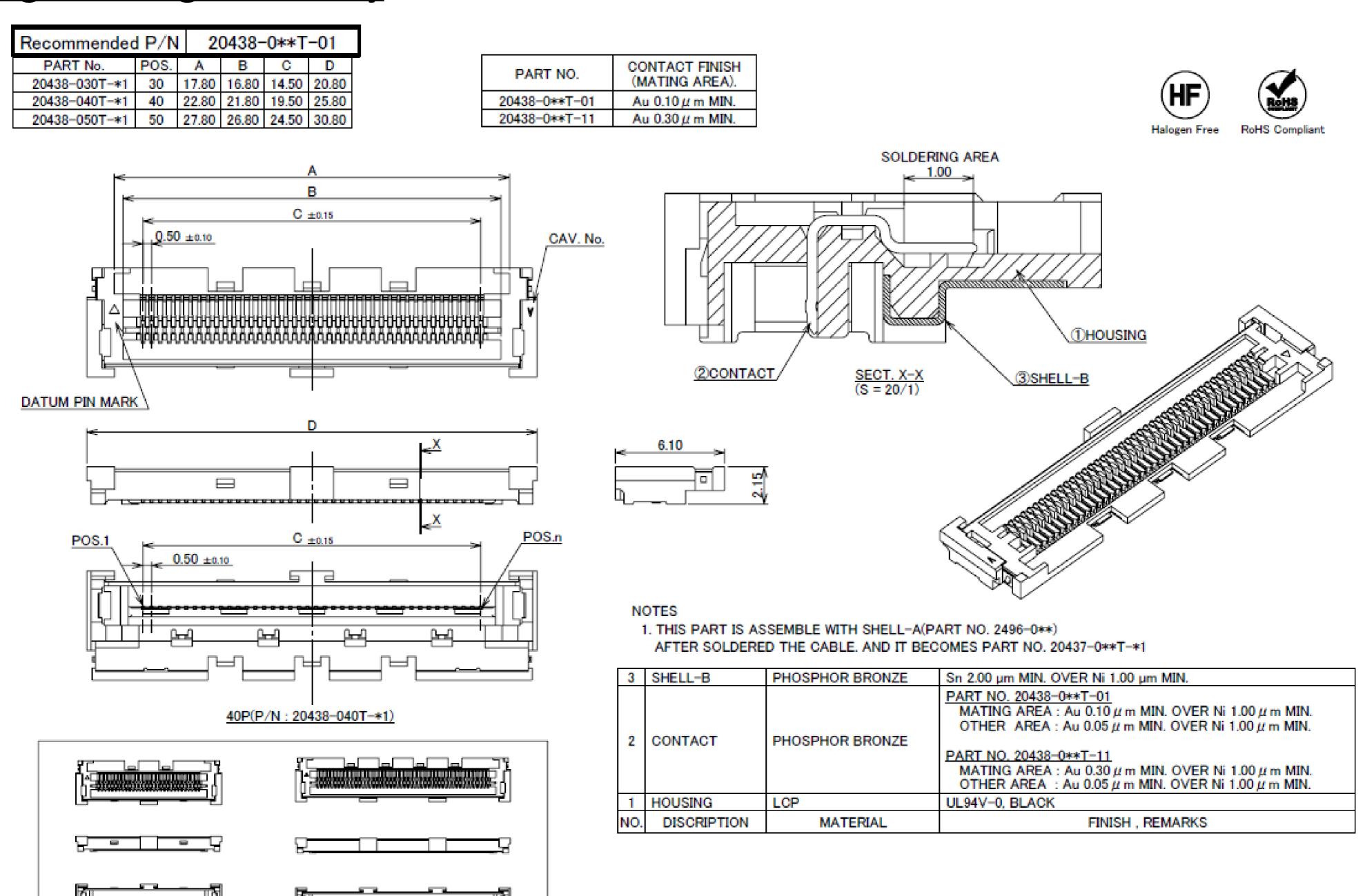


Rev.17





Plug Housing Assembly



Rev.12

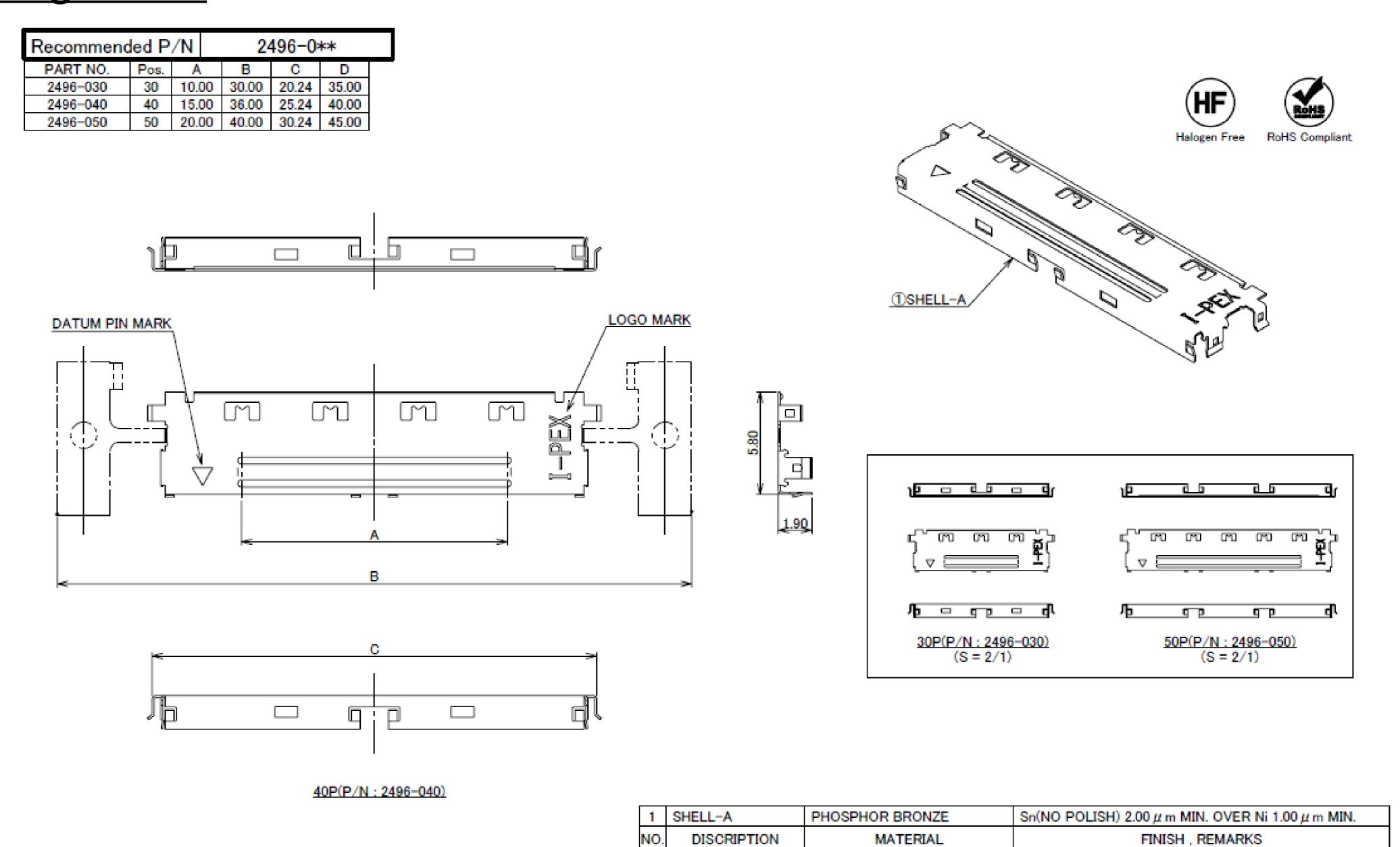
Plug Shell-A

30P(P/N: 20438-030T-*1)

(S = 2/1)

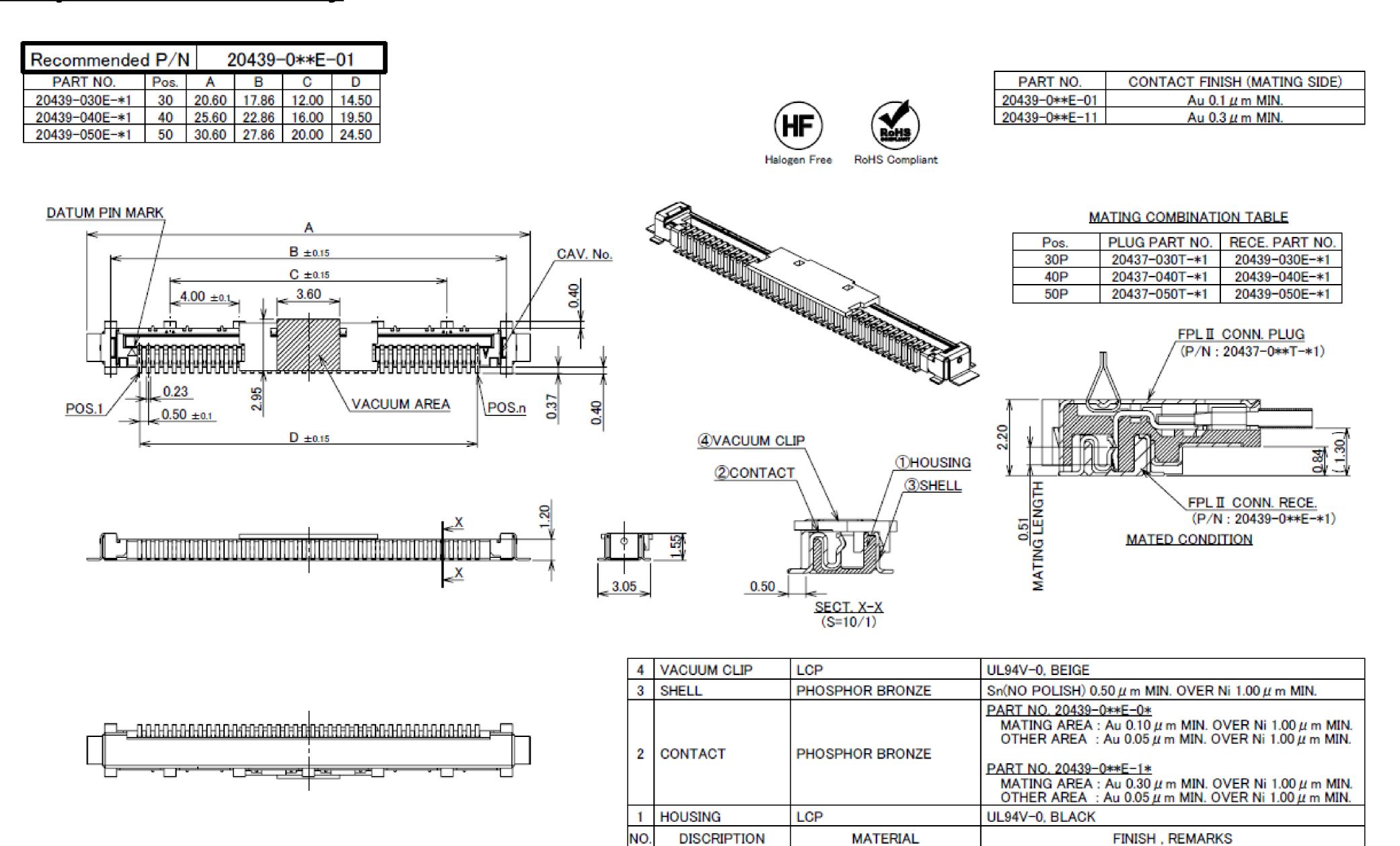
50P(P/N: 20438-050T-*1)

(S = 2/1)

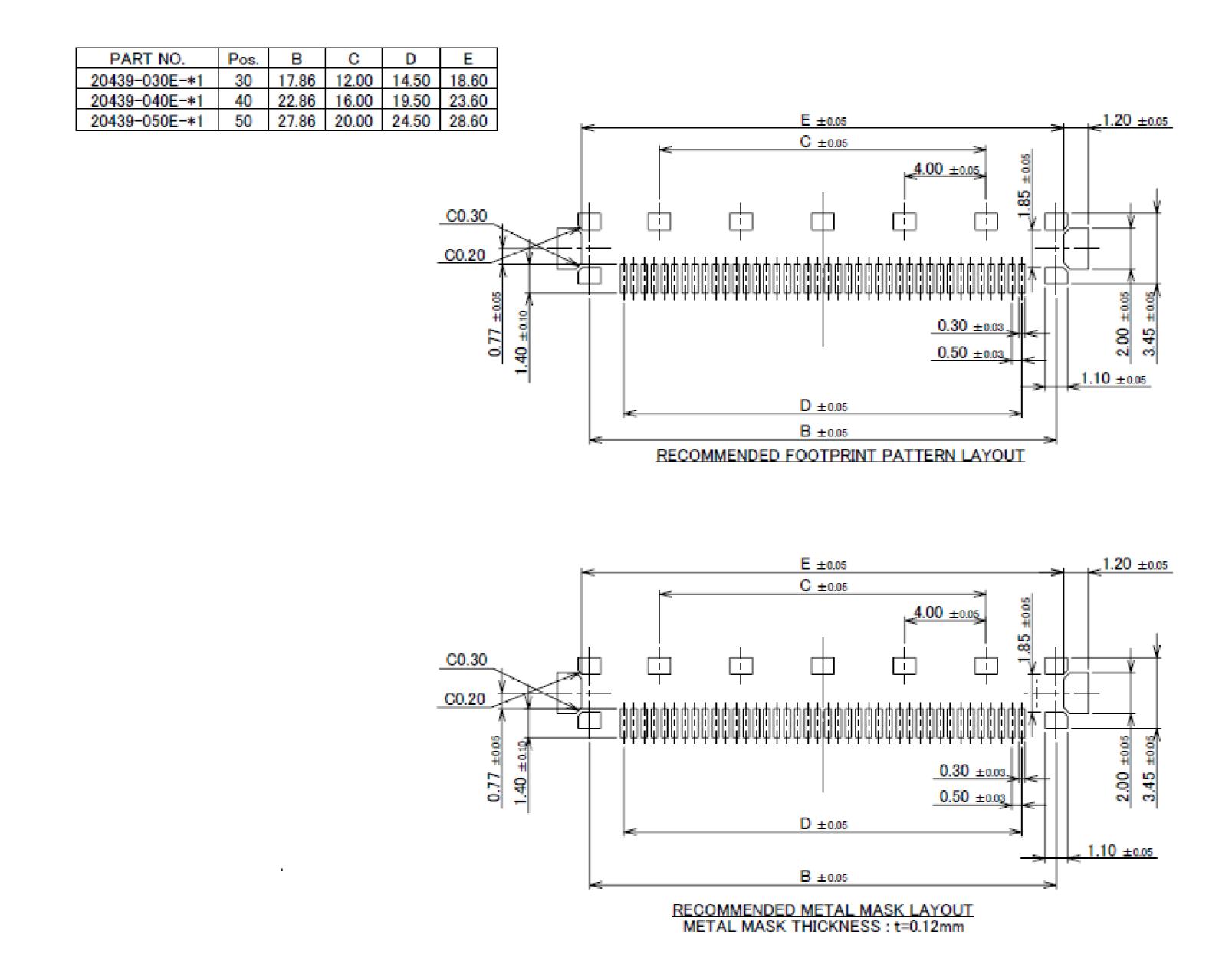




Receptacle Assembly



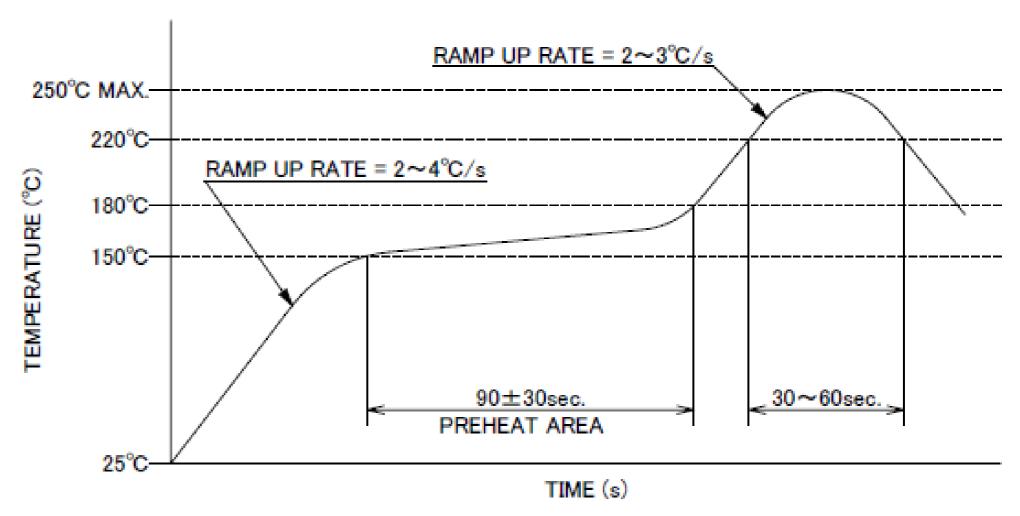
Rev.23





Receptacle Assembly





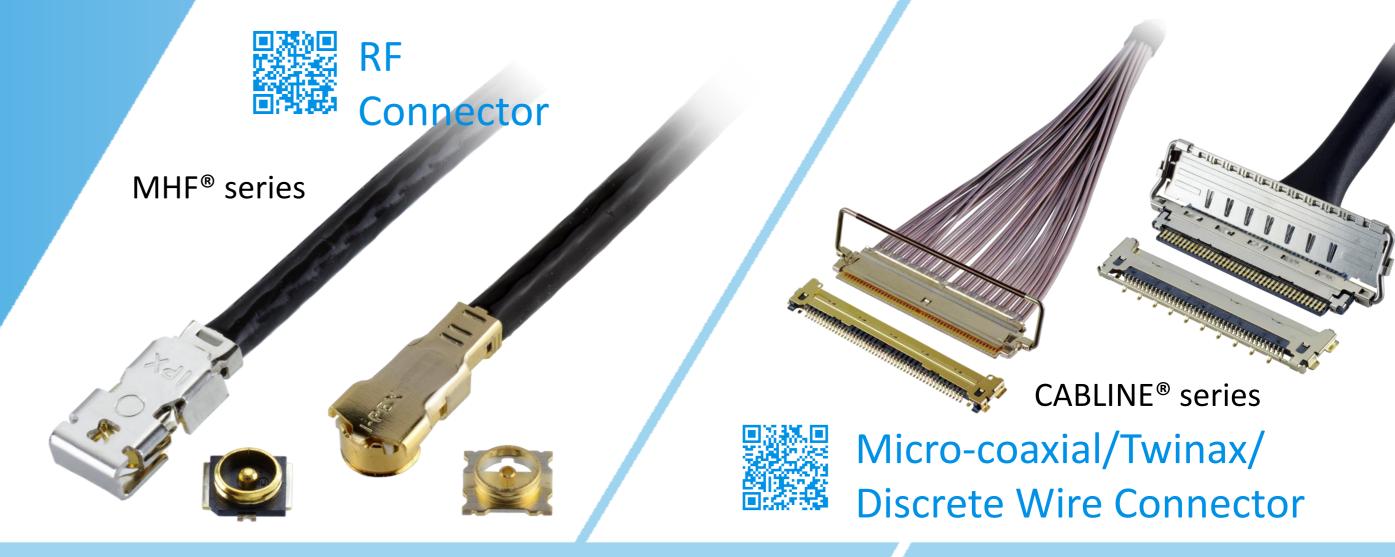
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96.5 Ag3.0 Cu0.5)

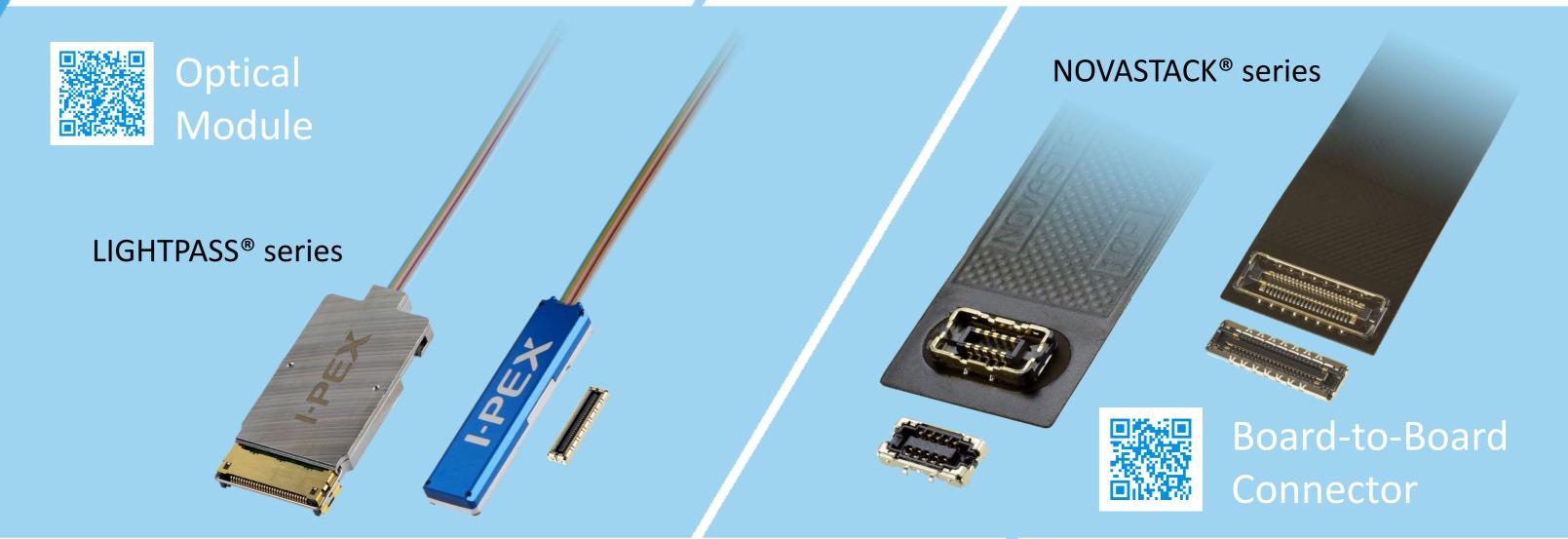
Rev.23

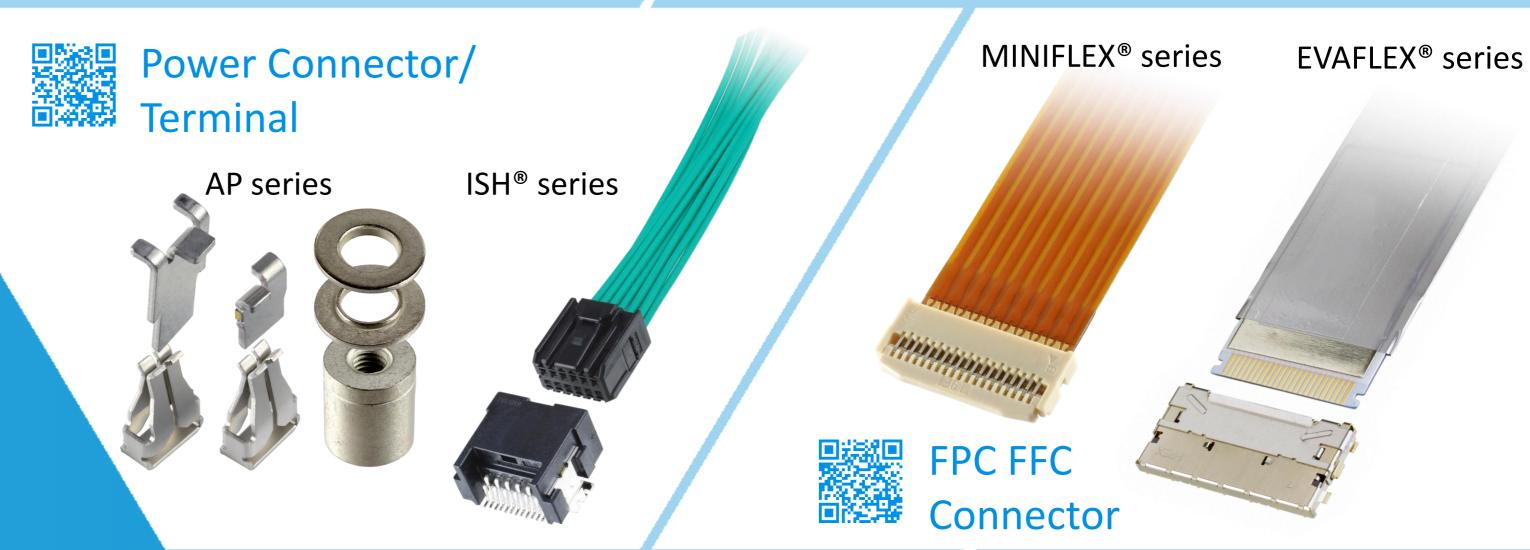
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 40, 38, 36, 34, 32 DISCRETE WIRE: AWG# 36, 34, 32 TWINAX CABLE: AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.3A AC/DC [AWG#40] PER CONTACT PIN / UP TO 50 CONTACTS 0.6A AC/DC [AWG#38] PER CONTACT PIN / UP TO 6 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN / UP TO 4 CONTACTS 1.0A AC/DC [AWG#34, 32] PER CONTACT PIN / UP TO 7 CONTACTS TESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~358K(−40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL: 145mohm MAX.(AWG#32) / AFTER TEST: △40mohm MAX. 185mohm MAX.(AWG#34) 210mohm MAX.(AWG#36) 335mohm MAX.(AWG#38) 575mohm MAX.(AWG#40)
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: ∠140mohm MAX.
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P: 50.0N MAX. / 40P: 60.0N MAX. / 50P: 70.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 5.0N MIN. / 40P: 6.0N MIN. / 50P: 7.0N MIN.
CABLE RETENTION FORCE	30.0N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1383
TEST REPORT	TR-07048
PACKING STANDARD	PLUG HOUSING ASS'Y: 300-584 / PLUG SHELL-A: 300-585
INSTRUCTION MANUAL	HIM-09007
ASSEMBLY MANUAL	ASM-07005
APPEARANCE CRITERIA No.	QLS-A***

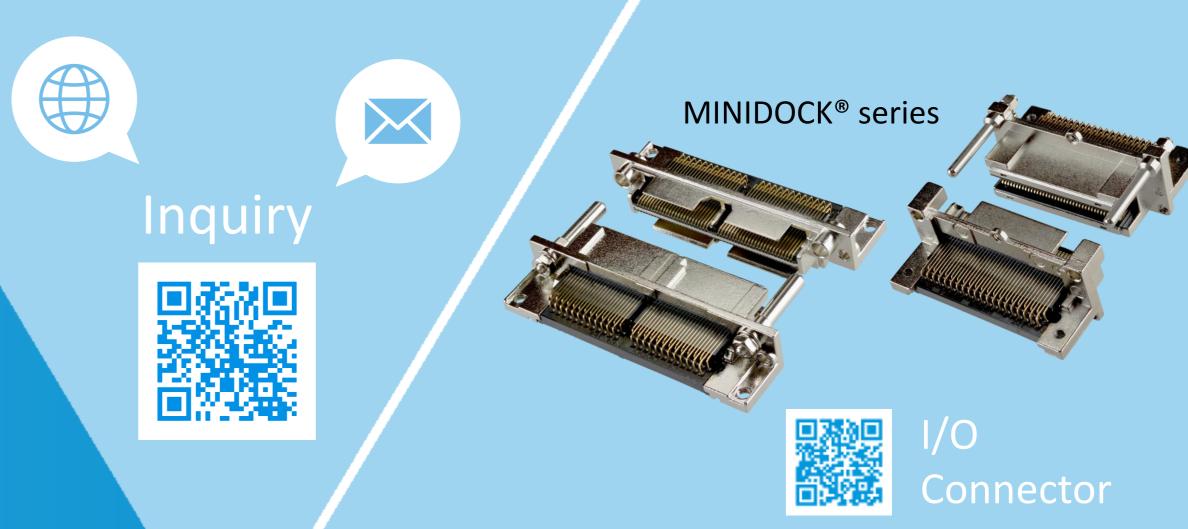


Custom Connectors Available









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